	RMATION DISCLOSURE EMENT BY APPLICANT	Complete if Known Application Number: 09/995.894 Filing Date: 11/28/01		
		First Named Inventor: M	Soul et al	
(Use as	many sheets as necessary)	Group Art Unit: 1641	. Ocal, ocal.	
		Examiner Name:		
SHEET	1 OF 7	Attorney Docket Number:	ARCY-C1	
Examin	U.S. Documents	U.S. Patent	Date of Publication of	
er	O.O. Documents	Document Name of	Cited Document	
Initials	Number	Patentee or Applicant of Cited Document	MM-DD-YYYY	
pm	US 4,717,655	Fulwyler	01/05/1988	
<u> </u>	US 5,573,909	Singer et. Al	11/12/1996	
	US 5,585,069	Zanzucchi et al.	12/17/1996	
	US 5,593,838	Zanzucchi et al.	01/14/1997	
	US 5,723,218	Haugland et al.	03/03/1998	
	US 5,744,305	Fodor et al.	04/28/1998	
	US 5,807,755	Ekins	09/15/1998	
	US 5,837, 551	Ekins	11/17/1998	
	US 5,874,219	Rava et al.	02/23/1999	
	US 5,989,835	Dunlay et al.	11/23/1999	
1	US 6,023,540	Wait et al.	02/08/2000	
	US 5,281,370	Asher et al.	01/25/1994	
	US 5,516,635	Ekins et al.	05/15/1996	
	US 5,518,883	Soini	05/21/1996	
	US 5,415,835	Brueck	05/16/1995	
	US 5,604,097	Brenner	02/18/1997	
7	US 5,800,992	Fodor	09/01/1998	
1	US 6,023,540	Walt et al.	02/08/2000	
	US 6,327,410	Walt et al.	12/04/2001	
1	US 6,266,459	Walt et al.	07/24/2001	
1	US 6,429,027	Chee et al.	08/06/2002	
1	US 5,747,349	Van den Engh et al.	05/05/1998	
1	US 5,900,481	Lough et al.	05/04/1999	
	US 6,133,436	Koster et al.	10/17/2000	
	US 6,084,991	Sampas	07/04/2000	
PID	US 5,422,246	Koopal et al.	06/06/1995	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner

Signature

			on unless it contains a valid OMB control no
INFOF	RMATION DISCLOSURE	Com	plete if Known
	EMENT BY APPLICANT	Application Number: 09/9	95,894
O I A I I		Filing Date: 10/17/2000 First Named Inventor: M. S	Saul of al
(Use as r	nany sheets as necessary)	Group Art Unit: 1641	Jour, Star.
1		Examiner Name:	
SHEET	2 OF 7	Attorney Docket Number: A	RCY-C1
Examin er	U.S. Documents	U.S. Patent Document Name of Patentee or	Date of Publication of Cited Document
ei Initials	Number	Applicant of Cited Document	MM-DD-YYYY
1007)	US 5,770,358	Dower	07/23/1998
1	US 3,571,614 A	Carreira	04/13/1997
	US 5,510,270 A	Fodor et al.	04/23/1996
	US 6,083,763	Balch	07/04/2000
	US 6,172,218 B1	Brenner	01/09/2001
	US 5,415,835	Brueck et al.	05/16/1995
	US 6,429,027 B1	Chee et al.	08/06/2002
	US 5,532,128	Eggers et al.	07/02/1996
	US 5,516,635	Ekins et al.	05/14/1996
	US 5,961,923	Nova et al.	10/05/1999
	US 4,499,052	Fulwyler	02/12/1985
	US 4,647,544	Nicoli et al.	06/25/1985
	US 4,822,746	Walt	06/25/1986
	US 4,994,373	Stavrianopoulos et al.	07/20/1989
	US 5,002,867	Macevicz	03/26/1991
	US 5,028,545	Soinl	07/02/1991
	US 5,105,305	Betzig	04/14/1992
	US 5,114,864	Walt	05/19/1992
	US 5,132,242	Cheung	07/21/1992
	US 5,132,097	Van Deusen	07/21/1992
	US 5,143,853	Walt	09/01/1992
	US 5,194,300	Cheung	03/16/1993
	US 5,244,813	Walt et al.	09/14/1993
	US 5,244,636	Walt et al.	09/14/1993
	US 5,250,264	Walt et al.	10/05/1993
	US 5,252,494	Walt	10/12/1993
-0-	US 5,254,477	Walt	10/19/1993
PVO)	US 5,298,741	Walt et al.	03/29/1994

Date

Considered

19/09/04

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NEOE	RMATION DISCLOSURE	Con	plete if Known
		Application Number: 09/9	95,894
STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date: 11/28/01	
		First Named Inventor: M.	Soul, et al.
	many dribble do nobbode.	Group Art Unit: 1641	
	3 OF 7	Examiner Name:	
HEET	3 OF 7	Attorney Docket Number: A	RCY-C1
	LUC D	U.S. Patent Document	Date of Publication of
xamin r	Ü.S. Documents	Name of Patentee or	Cited Document
nitials		Applicant	MM-DD-YYYY
	Number	of Cited Document	
arc	US 5,306,618	Prober et al.	04/26/1994
1	US 5,320,814	Walt et al.	06/14/1994
7	US 5,362,653	Carr et al.	11/08/1994
	US 5,405,784	Van Hoegaerden	04/11/1995
\mathcal{T}	US 5,480,723	Klainer et al.	01/02/1996
T	US 5,814,524	Walt et al.	09/29/1998
IL.	US 5,496,997	Pope	03/05/1996
	US 5,512,490	Walt et al.	04/30/1996
	US 5,565,324	Still et al.	10/15/1996
	US 5,567,627	Lehnen	10/22/1996
	US 5,633,724	King et al.	05/27/1997
	US 5,633,972	Walt et al.	05/27/1997
	US 5,650,488	Lam et al.	07/22/1997
	US 5,652,059	Margel	07/29/1997
	US 5,674,698	Zarling et al.	10/07/1997
	US 5,690,894	Pinkel et al.	11/25/1997
T	US 5,700,897	Klainer et al.	12/23/1997
	US 5,779,976	Leland et al.	07/14/1998
	US 5,939,021	Hansen et al.	08/17/1999
	US 5,961,923	Nova et al.	10/05/1999
	US 5,965,452	Kovacs	10/12/1999
	US 6,048, 690	Heller et al.	04/11/2000
	US 6,090,545	Wohlstadter et al.	07/18/2000
	US 6,090,912	Lebl et al.	07/18/2000
	US 6,200,737	Walt et al.	03/13/2001
	US 3,998,525	Giglia	12/21/1976
	US 4,075,013	Ward et al.	02/21/1978
7	US 4,456,513	Kawal et al.	06/26/1984
PAD)	US 4,575,407	Diller	03/11/1986

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box	PTO/SB/08A (08-00) Approved for use through 10/31/2002. OMB 0651-003t U.S. Patent and Trademerk Office. U.S. DEPARTMENT OF COMMERCE blied to respond to a collection of information unless it contains a valid OMB control number.
INFORMATION DISCLOSURE	Complete if Known
	Application Number: 09/995,894
STATEMENT BY APPLICANT	Filing Date: 11/28/01
	First Named Inventor: M. Seul, et al.
(Use as many sheets as necessary)	Group Art Unit: 1641
	Examiner Name:
SHEET 4 OF 7	Attorney Docket Number: ARCY-C1

Examin	U.S. Documents	U.S. Patent Document	Date of Publication of
er		Name of Patentee or	Cited Document
Initials	Number	Applicant of Cited Document	MM-DD-YYYY
1200	US 4,591,550	Hafeman et al.	05/27/1986
1	US 5,444,330	Leventis et al.	08/22/1995
	US 5,587,128	Wilding et al.	12/24/1996
-	US 5,498,392	Wilding et al.	03/12/1996
	US 5,855,753	Trau et al.	01/05/1999
	US 6,033,547	Trau et al.	03/07/2000
	US 6,083,763	Balch	07/04/2000
	US 6,172,218 B1	Brenner	01/09/2001
	US 5,415,835	Brueck et al.	05/16/1995
	US 6,429,027 B1	Chee et al.	08/06/2002
	US 5,532,128	Eggers et al.	07/02/1996
	US 5,516,635	Ekins et al.	05/14/1996
	US 5,961,923	Nova et al.	10/05/1999
	US 5,770,358	Dower	07/23/1998
	US 5,128,006	Mitchell et al.	07/07/1992
1947	US 6,251,691	Seul	06/26/2001

FOREIGN DOCUMENTS						
F	Fore	eign Patent Documents	Name of Patentee or	Date of Publication of		
Examiner Initials	Office Number Kind Code (if known)		Applicant of Cited Document	Cited Document MM-DD-YYYY	Translation	
arg	PCT	WO 95 12808	Heller et al.	05/11/1995		
1	PCT	WO 96 07917	Nanogen	03/14/1996		
	PCT	WO 97 40383	Glaxo Group	10/30/1997	T	
	PCT	WO 98 06007	Mcardle	02/12/1998		
	PCT	WO 98 5330)	Pallas et al.	11/26/1998		
1	PCT	WO 93/02360	Lehnen	02/40/1993	1	
141)	PCT	WO 96/03212	Brenner	02/08/1996		

Éxaminer Signature	Junes	Date Considered	12/09/04	
			',	

*EXAMINER; Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) Inside this box						Approved for use through 10/31	PTO/SB/98A (98-99) /2002. OMB 9851-9931
					S Patent and		
Under the Paperwork Reduction Act of 1995, no persons are required				to respond to	a collection of it	nformation unless it collidina a var	id OMB control number
Under the Pap	BIWOTK KED	N DISCI OSIDE	<u> </u>				
INFORMATION DISCLOSURE				Application	on Number	: 09/995,894	
STATEMENT BY APPLICANT				Filing Da	te: 11/28/01		
				First Nam	ned invento	r: M. Seul, et al.	
(Use as ma	ny sheet	s as necessary)			Unit: 1641		
				Examiner	Name:		
SHEET 5		OF 7			S I . 4 M un	ham ADCV.C1	
SINCE I				Attorney	Docket Num	ber: ARCY-C1	
			FOR	EIGN DOCL	JMENTS		
	<u> </u>		Non	ne of Patent	oo or	Date of Publication of	
	Fore	eign Patent Documents		plicant of C		Cited Document	
Examiner Initials	Office	Number Kind Code	1 4	Document		MM-DD-YYYY	Translation
imans	1	(if known)	}				
1658)	\	14040070	Tripa			01/17/1989	++->-
b10)	Can.	1,248,873		et al.		04/15/1999	-1-1-5
	PCT	WO 99/18434		inex Corp		04/22/1999	
	PCT	WO 99/19515 WO 91/19023 A		n. Corp		12/12/1991	
	PCT	EP 0 269 764	Helle			06/08/1988	
	EP	EP 0 478 319		nimoto et a		04/01/1992	
	EP EP	EP 0 723 140		Internation		07/24/1996	- - - -
					-	11/16/1989	
	PCT	WO 89/1110: WO 93/0612	Lind	er et al.		04/01/1993	
	PCT					12/09/1993	
	PCT	WO 93/2451'/		a et al.		04/17/1997	
	PCT	WO 97/14023	_	ndler et al.		02/15/1996	- -
	PCT	WO 96/04547 WO 00/04372	Ram			01/27/2000	
				yn et al.			
\longrightarrow	PCT	WO 99/60170		r et al. et al.		11/25/1999 02/08/2000	
		WO 98/40726					
	PCT	WO 00/13004	Wait			03/09/2000	
-3/20	GB	GB 2 058 379 A		A Gevaert et al.		04/08/1981	+
1, 10	PUI	WO 00/75373	vvait	etal.		12/14/2000	11-
			,				
	Γ						1576
Examiner		JUNIAN/			Date	12/09/	1" 7
Signature		I POPUL			Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box			PTO/SB/08A (Approved for use through 10/31/2002, OMB 068 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMI	51-0031 MERCE
			uired to respond to a collection of information unless it contains a valid OMB control of	number.
INFORMATION DISCLOSURE			Complete If Known	
STATEMENT BY APPLICANT		IT BY APPLICANT	Application Number: 09/995,894 Filing Date: 11/28/01	
			First Named Inventor: M. Seul. et al.	
(Use as ma	any she	eets as necessary)	Group Art Unit: 1641	
			Examiner Name:	
SHEET 6 OF 7			Attorney Docket Number: ARCY-C1	
			, , , , , , , , , , , , , , , , , , ,	
	_I	OTHER PRIOR ART	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.		CAPITAL LETTERS), title of the article (when appropriate), title urnal, serial, symposium, catalog, etc.), date, page(s), volume-	T2
Micheletto, et al. 'A simple me small latex particles". Langmu		Micheletto, et al. 'A simple mei small latex particles". Langmul.	thod for the production of a two-dimensional ordered array of ir, vol. 11, 3333-3336 (1995)	
		Nagamaya et al. 'Fabrication o 185-203 (1993)	of two-dimensional colloidal arrays*. Phase Transitions, vol. 45,	
		Yeh, S.R., et al. "Assembly of o Nature, Mar. 6, 1997: 57-59. V	ordered colloidal aggregates by electric-field-induced fluid flow". ol. 386, No. 6620.	
		"Materials from Freedom of Info	ormation Act pertaining to David R. Walt".	
		Peterson, et al. "l'iber optic pH (1980)	probe for physiological use," Anal. Chem. Vol. 52, 864-869	
		Peterson, et al, "Fiber optic sen	nsors for biomedical applications," Science, 13: 123-127 (1984)	
		Fuh, et al, "Single Fibre Optic F	luorescence pH probe," Analyst, 112: 1159-1163 (1987).	1 1
340 (1991). Campain, et al. "Colored and fluored and			emical sensor with discrete sensing sites," Nature, vol. 353: 338-	$\dagger \dagger$
		Campain, et al. "Colored and flu	uorescent solid supports," Innovation and Perspectives in Solid- igham (Mayflowes, London), pp. 469-472 (1994).	
		vol. 2388: 245-256 (1995).	crosensors employing optically active silica microspheres," SPIE,	
		Technology, 13, 1396-1406 (19		
		Bangs, "Immunological applicat (April 1996)	tions of microspheres," The Latex Course, Bangs Laboratories	

					_		
Examiner Signature	<u> </u>	Jussel	Date Considered	12	109/07	1	

"Flourescent Mic ospheres (Tech. Note #19)," Bangs Laboratories (1997)

Egner, et al., "Tagging in combinatorial chemistry: the use of coloured and fluorescent beads,"

Fulton, et al., "Advanced multiplexed analysis with the FlowMetrix system," Clinical Chemistry,

Scott, et al. "Properties of flourophores on solid phase resins; implications for screening, encoding and reaction monitoring," Bloorganic & Medicinal Chemistry Letters, 7:12, pp. 1567-

Healey, ot al., "F beroptic DNA sensor array capable of detecting point mutations," Analytical

Chem. Commun pp. 735-736 (1997)

Biochemistry, vol. 251, pp. 270-279 (1997).

vol. 43:9, pp. 1749-1756 (1997)

1572 (1997)

MOD

^{*}EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a	plus siç	gn (+) inside this box	PTO/SB/08A (08-00) Approved for use through 10/31/2002. OMB 0651-0031	
Under the Par	perwork	Reduction Act of 1995, no parsons are regular	U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE d to respond to a collection of information unless it contains a valid OMB control number.	
INFOR	MAT	TON DISCLOSURE	Complete if Known	
			Application Number: 09/995,894	
SIAIE	IAICL	NT BY APPLICANT	Filing Date: 11/28/01	
/Llea ac m	anu ah	oots so seems a	First Named Inventor: M. Seul, et al.	
(Use as me	any sn	eets as necessary)	Group Art Unit: 1641	
			Examiner Name:	
SHEET 7	7	OF 7		
			Attorney Docket Number: ARCY-C1	
		OTHER PRIOR ART - NO	ON PATENT LITERATURE DOCUMENTS	
Examiner Initials Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),				
bde	"Microsphere Select on Guide," Bangs Laboratories, Inc. (Fisher, IN) (September 1998)			
	Gierslg, et al., "Formation of ordered two-dimensional gold colloid lattices by electrophoretic deposition," Journal of Physical Chemistry, vol. 97: 6334-6336			
		Seul, et al., "Scale transformation of and polydisperity," Science, vol. 26	of magnetic bubble arrays: coupling of topological disorder 2: 558-560 (1993).	
		Trau, et al., "Field-induced layering	of colloldal crystals," Science, vol. 272: 706-709 (1996).	
		Seul, et al., "Domain shapes and povol. 267: 476-483 (1395)	atterns: the phenomenology of modulated phases," Science,	
		Schena, et al., "Quantitative monito microarray," Sclence, Vol. 270: 467	ring of gene expression patterns with a complimentary DNA (1995)	
		Haab, et al. "Single molecule flours capillary electrophoresis," Analytica	ence burst detection of DNA fragments separated by Il Chemistry, vol. 67 (No. 18): 3253-3256 (1995)	
		Richetti, et al. "Two-Ilmensional ag latex spheres," J. Physique Lettr., V	gregations and crystallization of a colloidal suspension of /oi. 45: L-1137 – L-1143 (1984)	
		Sze, "MIS diode and charge-couple 362-340 (2nd edition) (Wiley Intersci	id device." The physics of semiconductors. Chapter 7, pp.	
		The International Preliminary Exam corresponding international applical	ination Report dated April 27, 1998, received in the tion	
PM			s, 64 th edition, 183-184, pages B-196 and E-363	
Examiner Signature	_	Junsol	Date 19159 of	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.